| − σ | <u> </u> | | | | | | | |
|----------------------|---|------------------------|---|---|------------------------|---|--|------------------------|
| Comments | | | | | · | | - | |
| Time Stamp | 2007/02/19 12:02 | 2007/02/19 12:03 | 2007/02/19 12:05 | 2007/02/19 12:06 | 2007/02/19 12:07 | 2007/02/19 12:11 | 2007/02/19 12:08 | 2007/02/19 12:08 |
| DBs | US- PGPUB; USPAT | US- PGPUB; USPAT | US- PGPUB; USPAT | US- PGPUB; USPAT | US- PGPUB; USPAT | US- PGPUB; USPAT | US- PGPUB; USPAT | US- PGPUB; USPAT |
| in Stain Search Text | (382/118,151,154,159,190,19 9,209,218,294,309).CCLS. | (345/419).CCLS. | (face\$1 or facial) same (model\$3 or template\$1 or reference or known or prototype\$1 or prestor\$3 or pre-stor\$3 or database) same (identif\$6 or recogn\$6 or classif\$7) same imag\$3 | 3 same (orientation\$1 or direction\$2 or posture\$1 or pose\$2 or position\$3) | . ~ | 5 same (adjust\$6 or align\$5 or modif\$6 or correct\$4) | 6 same (constrain\$2 or weigh\$5 or epipolar) | 2 and 7 |
| Hits | 7488 | 2726 | 4008 | 1411 | 629 | 160 | 27 | 2 |
| # 1 | L1 | L2 | L3 | L4 | L5 | Te | L7 | L9 |
| .Type | IS&R | IS&R | BRS | BRS | BRS | BRS | BRS . | BRS |
| - C - D | · · | 7 | <u> </u> | 4 | 2 | 9 | 7 | <u></u> |

| 9.7, | × Type | # 1 | Hits | To Search Text | DBs | Time Stamp CC | Comments | equity. |
|------|---------------|-------|------|---|------------------------|---------------------|----------|---------|
| 6 | BRS | T 8 | 20 | 1 and 7 | US- PGPUB; USPAT | 2007/02/19 12:10 | | • |
| 10 | BRS | L10 | 934 | ((face\$1 or facial) near3 model\$4) same (posture\$1 or position\$3 or orientation\$1 or pose\$1 or direction\$2) | US- PGPUB; USPAT | 2007/02/19 12:11 | | |
| 11 | BRS | L11 | 203 | 10 same ((face\$1 or facial) near3 feature\$1) | US- PGPUB; USPAT | 2007/02/19 12:11 | | |
| 12 | BRS | L12 | 69 | 11 same (adjust\$6 or align\$5 or modif\$6 or correct\$4) | US- PGPUB; USPAT | 2007/02/19 12:11 | | |
| 13 | BRS | L13 | 42 | 12 same (compar\$6 or match\$3 or similar\$5 or collat\$4) | US- PGPUB; USPAT | 2007/02/19 12:12 | | |
| 14 | BRS | L14 . | 19 | 13 same epipolar | US- PGPUB; USPAT | 2007/02/19 12:12 | | |
| 15 | BRS | 1.16 | - 2 | 2 and 14 | US- PGPUB; USPAT | 2007/02/19 12:12 | | |
| 16 | BRS | L15 | 19 | 1 and 14 | US- PGPUB; USPAT | 2007/02/19 12:13 | | |
| ı | | | | | | | | |

| | 37 | |
|-----|-------------------------------------|---|
| | | |
| | | (a) |
| | | ğ |
| | * | यू |
| | * | 01 |
| | . O . | ည္တို |
| a. | τı | Ę, |
| | T | ਲ੍ਹ |
| Ļ | 7. T1t1 | 실법 |
| | | [kg kg] |
| , | | at c |
| ĥ | | 17 ° |
| 1 | 2 | rre |
| | cument ID e lasue Date Pages . Titl | Stereo-coupled face shape registration |
| 4 | # | N H |
| ļ | Pages | |
| ١ | ွာရင် | |
| į | 14 | 7 |
| | Ð | |
| ķ | Dat. | |
| | MAC I | 30 |
| , | ine | 12 |
| à | nss: | 0.4 |
| , | Ÿ H | 70 |
| | 9 | ا ک |
| | ΩI | 74 |
| ٠, | نډ | 54. |
| , | en | 020 |
| | cument ID | 04 |
| | Ďoc | 20 |
| | у Д | S.20040264745 20041230 |
| , | • | D 4 |
| | Δ | |
| | - ; | |
| ı | PT | |
| | 43 PG | |
| | - 러 | 4" |
| | ر بر س | |
| 2 2 |) D | |
| - | į, į | , |
| • | | . |
| , | 1 17 | + |

PALM INTRANET

Day: Monday Date: 2/19/2007

Time: 12:33:23

Inventor Name Search Result

Your Search was:

Last Name = GU

First Name = LIE

| Application# | Patent# | Status | Date Filed | Title | Inventor Name |
|--------------|---------------|--------|------------|--|-------------------------|
| 10610494 | Not Issued | 71 | | Stereo-coupled face shape registration | GU, LIE |
| 10641608 | Not Issued | 30 | 08/15/2003 | Unified bayesian framework for shape registration | GU, LIE |
| 10496343 | Not Issued | 93 | 09/02/2004 | METHOD FOR ERROR CORRECTION IN PACKET- ORIENTED DATA TRANSMISSION WITH TRANSMISSION BLOCKS THAT ARE BETTER DETERMINED BY DESCRIPTORS | GUNTHER, LIEBL |
| .07707873 | 5144806 | 150 | 05/31/1991 | PROCESS FOR THE LIQUEFACTION OF GASES | GUTOWSKI, LIESELOTTE |

Inventor Search Completed: No Records to Display.

| Search Another: Inventor | Last Name | | First Name | · | La Parine |
|--------------------------|-----------|-----|------------|---|-----------|
| Search Another. Inventor | | lie | | | Search |

To go back use Back button on your browser toolbar.

Back to PALM | ASSIGNMENT | OASIS | Home page

PALM INTRANET

Day: Monday Date: 2/19/2007

Time: 12:33:43

Inventor Name Search Result

Your Search was:

Last Name = ZIQING

First Name = LI

| Application# | Patent# | Status | Date Filed | Title | Inventor Name |
|--------------|---------|--------|------------|---------------------------|---------------|
| 10610494 | Not | 71 | 06/30/2003 | Stereo-coupled face shape | ZIQING, LI |
| | Issued | | | registration | |

Inventor Search Completed: No Records to Display.

Search Another: Inventor Last Name First Name | Search |

To go back use Back button on your browser toolbar.

Back to PALM | ASSIGNMENT | OASIS | Home page

Day: Monday Date: 2/19/2007

Time: 12:34:09

Inventor Name Search Result

Your Search was:

Last Name = ZHANG

First Name = HONG-JIANG

| Application# | Patent# | Status | Date Filed | Title | Inventor Name |
|--------------------------------|---------------|--------|------------|--|-----------------------|
| 08976744 | Not Issued | 161 | 11/24/1997 | VIDEO BROWSING AND VIEWING SYSTEM | ZHANG, HONG- ЛANG |
| 09260215 | 6347313 | 150 | 03/01/1999 | INFORMATION EMBEDDING BASED ON USER RELEVANCE FEEDBACK FOR OBJECT RETRIEVAL | ZHANG, HONG- ЛANG |
| 09536820 | 6944319 | 150 | 03/27/2000 | POSE-INVARIANT FACE RECOGNITION SYSTEM AND PROCESS | ZHANG, HONG- JIANG |
| <u>09580395</u> | 6671391 | 150 | 05/26/2000 | POSE-ADAPTIVE FACE DETECTION SYSTEM AND PROCESS | ZHANG, HONG- ЛАNG |
| 09597456 | 6738512 | 150 | 06/19/2000 | USING SHAPE SUPPRESSION TO IDENTIFY AREAS OF IMAGES THAT INCLUDE PATICULAR SHAPES | ZHANG, HONG- ЛАNG |
| <u>09627762</u> | 6724933 | 150 | 07/28/2000 | MEDIA SEGMENTATION SYSTEM AND RELATED METHODS | ZHANG, HONG- JIANG |
| . <u>09702288</u> - · · · · | 6970860 | 150 | 10/30/2000 | SEMI-AUTOMATIC ANNOTATION OF MULTIMEDIA OBJECTS | ZHANG, HONG- ЛANG |
| 09702292 | 7099860 | 150 | 10/30/2000 | IMAGE RETRIEVAL SYSTEMS AND METHODS WITH SEMANTIC AND FEATURE BASED RELEVANCE FEEDBACK | ZHANG, HONG- JIANG |
| = 09728936 | 6975750 | 150 | 12/01/2000 | SYSTEM AND METHOD FOR FACE RECOGNITION USING SYNTHESIZED TRAINING IMAGES | ZHANG, HONG- ЛANG |
| <u>09783505</u> | 6895112 | 150 | 02/13/2001 | RED-EYE DETECTION BASED ON RED REGION DETECTION | ZHANG, HONG- ЛANG |

| 1 | | | | • | |
|-----------------|----------------|-----|------------|--|------------------------|
| · | | | · | WITH EYE CONFIRMATION | |
| 09805626 | Not Issued | 93 | 03/13/2001 | MEDIA CONTENT SEARCH ENGINE INCORPORATING TEXT CONTENT AND USER LOG MINING | ZHANG, HONG- ЛАNG |
| 09823534 | 6748398 | 150 | 03/30/2001 | RELEVANCE MAXIMIZING, ITERATION MINIMIZING, RELEVANCE-FEEDBACK, CONTENT-BASED IMAGE RETRIEVAL (CBIR) | ZHANG, HONG- ЛANG |
| 09833525 | 6548800 | 150 | 04/09/2001 | IMAGE BLUR DETECTION METHODS AND ARRANGEMENTS | ZHANG, HONG- JIANG |
| 09893335 | Not Issued | 41 | 06/26/2001 | Function-based object model for use in website adaptation | ZHANG, HONG- ЛANG |
| <u>09963164</u> | 6965645 | 150 | 09/25/2001 | CONTENT-BASED CHARACTERIZATION OF VIDEO FRAME SEQUENCES | ZHANG, HONG- JIANG |
| .09977171 | 7149732 | 150 | | CLUSTERING WEB QUERIES | ZHANG, HONG- JIANG |
| 09995431 | <u>6915025</u> | 150 | 11/27/2001 | AUTOMATIC IMAGE ORIENTATION DETECTION BASED ON CLASSIFICATION OF LOW-LEVEL IMAGE FEATURES | ZHANG, HONG- ЛАNG |
| 09995499 | 7093001 | 150 | 11/26/2001 | METHODS AND SYSTEMS FOR ADAPTIVE DELIVERY OF MULTIMEDIA CONTENTS | ZHANG, HONG- ЛАNG |
| 99998092 | Not Issued | 93 | 11/30/2001 | MEDIA AGENT TO SUGGEST CONTEXTUALLY RELATED MEDIA CONTENT | ZHANG, HONG- JIANG |
| 10074941 | 6901411 | 150 | 02/11/2002 | STATISTICAL BIGRAM CORRELATION MODEL FOR IMAGE RETRIEVAL | ZHANG, HONG- ЛANG |
| 10112198 | Not Issued | 41 | 03/29/2002 | System and method for producing a video skim | ZHANG, HONG-," ЛАNG |
| 10121333 | Not Issued | 30 | 04/11/2002 | Streaming methods and systems | ZHANG, HONG- ЛANG |
| 10285933 | 7116716 | 150 | 11/01/2002 | SYSTEMS AND METHODS FOR GENERATING A MOTION ATTENTION MODEL | ZHANG, HONG- ЛАNG |
| 10286053 | Not Issued | 41 | 11/01/2002 | Systems and methods for generating a comprehensive user attention model | ZHANG, HONG- JIANG |
| 10286348 | 7127120 | 150 | 11/01/2002 | SYSTEMS AND METHODS FOR | ZHANG, HONG- |

| • | | | | • | |
|-------------------|---------------|-----|------------|---|-------------------------|
| * M * . | | | | AUTOMATICALLY EDITING A VIDEO | ЛANG |
| 10286527 | Not Issued | 41 | 11/01/2002 | Systems and methods for generating a video summary | ZHANG, HONG- ЛANG |
| .10306971 | 7181393 | 150 | 11/29/2002 | METHOD OF REAL-TIME SPEAKER CHANGE POINT DETECTION, SPEAKER TRACKING AND SPEAKER MODEL CONSTRUCTION | ZHANG, HONG- ЛАNG |
| 10351045 | Not Issued | 161 | 01/24/2003 | Organizing and displaying photographs based on time | ZHANG, HONG- ," ЛАNG |
| 10368235 | 7164798 | 150 | 02/18/2003 | LEARNING-BASED AUTOMATIC COMMERCIAL CONTENT DETECTION | ZHANG, HONG- JIANG |
| 10370314 Vein | Not Issued | 41 | 02/19/2003 | Automatic detection and segmentation of music videos in an audio/video stream | ZHANG, HONG- JIANG |
| 10371125 | Not Issued | 61 | 02/20/2003 | Systems and methods for enhanced image adaptation | ZHANG, HONG- ЛANG |
| 10374934 | Not Issued | 161 | 02/26/2003 | Image blur detection methods and arrangements | ZHANG, HONG- JIANG |
| 10387628 | 6784354 | 150 | 03/13/2003 | GENERATING A MUSIC SNIPPET | ZHANG, HONG- JIANG |
| .10405971 | Not Issued | 93 | 04/01/2003 | GENERATING VISUALLY REPRESENTATIVE VIDEO THUMBNAILS | ZHANG, HONG- JIANG |
| 10436710 | Not Issued | 93 | 05/13/2003 | MODIFICATION OF RED-EYE- EFFECT IN DIGITAL IMAGE | ZHANG, HONG- JIANG |
| 10452783 | Not Issued | 71 | 05/30/2003 | Head pose assessment methods and systems | ZHANG, HONG- JIANG |
| 10609974 | Not Issued | 41 | 06/30/2003 | Face annotation for photo management | ZHANG, HONG- JIANG |
| . 10610105 | Not Issued | 71 | | Content-based dynamic photo-to- video methods and apparatuses | ZHANG, HONG- ЛANG |
| 10610245 | Not Issued | 95 | 06/30/2003 | SPEEDUP OF FACE DETECTION IN DIGITAL IMAGES | ZHANG, HONG- ЛANG |
| <u>-10610494</u> | Not Issued | 71 | 11 | Stereo-coupled face shape registration | ZHANG, HONG- ЛАNG |
| - <u>10621260</u> | Not Issued | 40 | | Robust multi-view face detection methods and apparatuses | ZHANG, HONG ЛANG |
| 10624759 | Not Issued | 71 | | Community mining based on core objects and affiliated objects | ZHANG, HONG- JIANG |
| 10632666 | Not Issued | 41 | II I | Sequential motion pattern representation | ZHANG, HONG- JIANG - |
| | " | | 1 | - | |

| 10641608 | Not Issued | 30 | | Unified bayesian framework for shape registration | ZHANG, HONG- " JIANG |
|----------|---------------|----|------------|---|-------------------------|
| 10646387 | Not Issued | 41 | 1 | Hierarchical scheme for blur detection in digital image using wavelet transform | ZHANG, HONG- JIANG |
| 10676518 | Not Issued | 41 | 09/30/2003 | Document representation for scalable structure | ZHANG, HONG, JIANG |
| 10676519 | Not Issued | 30 | | Contrast-based image attention analysis framework | ZHANG, HONG JIANG |
| 10688471 | Not Issued | 30 | | Automatic browsing path generation to present image areas with high attention value as a function of space and time | ZHANG, HONG- JIANG |
| 10689106 | Not Issued | 30 | | Integrated solution to digital image similarity searching | ZḤANG, ḤONĞ- JIANG |
| 10703300 | Not Issued | 41 | | Systems and methods for indexing and retrieving images | ZHANG, HONG- ЛANG |

earch and Display More Records.

| Search Another: Invento | Last Name | First Name | | |
|-------------------------|-----------|------------|------------|--------|
| Search Another. Invento | zhang | hong-jiang | د. وم ه | Search |

go back use Back button on your browser toolbar.

PALM INTRANET

ventor Name Search Result

Your Search was:

Last Name = ZHANG First Name = HONG-JIANG

| Application# | Patent# | Status | Date Filed | Title | Inventor Name |
|------------------------|---------------|--------|------------|--|---|
| 10720677 | Not Issued | 41 | 11/24/2003 | Robust camera motion analysis for home video | ZHANG, HONG- ЛANG |
| 10723049 .vem | Not Issued | 30 | 11/26/2003 | Systems and methods for personalized karaoke | ZHANG, HONG- ЛANG |
| 7 <u>10811281</u> - | 7022907 | 150 | 03/25/2004 | AUTOMATIC MUSIC MOOD DETECTION | ZHANG, HONG ЛANG |
| 10811287 | 7026536 | 150 | 03/25/2004 | BEAT ANALYSIS OF MUSICAL SIGNALS | ZHANG, HONG- |
| 10832501 | 7111002 | 150 | 04/26/2004 | RELEVANCE MAXIMIZING, ITERATION MINIMIZING, RELEVANCE-FEEDBACK, CONTENT-BASED IMAGE RETRIEVAL (CBIR) | ZHANG, HONG- ЛАNG |
| 10853375 | Not Issued | 41 | 05/24/2004 | Media agent | ZHANG, HONG- JIANG |
| 10853622 | Not Issued | 71 | 05/24/2004 | Media agent | ZHANG, HONG- ЛANG |
| 10861286 | 6881889 | 150 | 06/03/2004 | | ZHANG, HONG- ЛАNG |
| 10900574 | Not Issued | 30 | 07/28/2004 | Image retrieval systems and methods with semantic and feature based relevance feedback | ZHANG, HONG. JIANG |
| 10910803 | Not Issued | 25 | 08/02/2004 | Systems and methods for smart media content thumbnail extraction | ZHANG, HONG- JIANG |
| 10934888 F | Not Issued | 30 | 09/02/2004 | Content-based characterization of video frame sequences | ZHANG, HONG- ЛANG |
| 10958136 | Not Issued | 30 | 10/04/2004 | Red-eye detection based on red region detection with eye confirmation | ZHANG, HONG- ЛАNG |
| 10961799 | 7171044 | 150 | 10/08/2004 | | ZHANG, HONG'ЛАNG |
| | · • | | · • | · · · · · · · · · · · · · · · · · · · | tour in the order of the design and the control of |

| | II I | ı | H | II | ا مراجع المعادي المعادية الم المعادية المعادية ال |
|---------------------|---------------|-----|------------|--|---|
| | | | | WITH EYE CONFIRMATION | |
| .10969308 | Not Issued | 30 | 10/20/2004 | Image retrieval systems and methods with semantic and feature based relevance feedback | ZHANG, HONG: JIANG |
| 10969326 | Not Issued | 30 | 10/20/2004 | Semi-automatic annotation of multimedia objects | ZHANG, HONG- JIANG |
| 10972723 | 7062086 | 150 | 10/25/2004 | RED-EYE DETECTION BASED ON RED REGION DETECTION WITH EYE CONFIRMATION | ZHANG, HONG- ЛANG |
| 10982743 | 7142697 | 150 | 11/05/2004 | POSE-INVARIANT FACE RECOGNITION SYSTEM AND PROCESS | ZHANG, HONG- ЛАNG |
| 10983194 | 7127087 | 150 | 11/05/2004 | POSE-INVARIANT FACE RECOGNITION SYSTEM AND PROCESS | ZHANG, HONG- JIANG |
| 10997071 | Not Issued | 30 | 11/23/2004 | Method and system for detecting black frames in a sequence of frames | ZHANG, HONG- |
| 10997073 | Not Issued | 30 | 11/23/2004 | Method and system for generating a classifier using inter-sample relationships | ZHANG, HONG- * JIANG |
| ± . <u>11025255</u> | Not Issued | 30 | 12/29/2004 | Methods and systems for adaptive delivery of multimedia contents | ZHANG, HONG- JIANG |
| 11025262 | Not Issued | 30 | 12/29/2004 | Methods and systems for adaptive delivery of multimedia contents | ZHANG, HONG. ЛĀNG |
| 11025728 | Not Issued | 30 | | Methods and systems for adaptive delivery of multimedia contents | ZHANG, HONG- JIANG |
| 11029913 | Not Issued | 30 | | Method and system for learning- based quality assessment of images | ZHANG, HONG- ЛАNG |
| 11042456 | 7113944 | 150 | 01/25/2005 | RELEVANCE MAXIMIZING, ITERATION MINIMIZING, RELEVANCE-FEEDBACK, CONTENT-BASED IMAGE RETRIEVAL (CBIR) | ZHANG, HONG- ЛАNG |
| 11053337 | 7095879 | 150 | 02/07/2005 | SYSTEM AND METHOD FOR FACE RECOGNITION USING SYNTHESIZED IMAGES | ZHANG, HONG- JIANG |
| 11056030 | Not Issued | 30 | 02/11/2005 | Content-based characterization of video frame sequences | ZHANG, HONG ЛANG |
| 11056555 | Not Issued | 30 | 02/11/2005 | Statistical bigram correlation model for image retrieval | ZHANG, HONG- ЛАNG |
| 11118116 | Not Issued | 30 | | Method and system for constructing a 3D representation of a face from a 2D representation | ZHANG, HONG- ЛАNG |

| 11264326 | 7132595 | 150 | 11/01/2005 | BEAT ANALYSIS OF MUSICAL SIGNALS | ZHANG, HONG JIANG |
|-----------|---------------|-----|------------|---|---|
| 11264327 | 7183479 | 150 | 11/01/2005 | BEAT ANALYSIS OF MUSICAL SIGNALS | ZHANG, HONG- ЛANG |
| 11265685 | 7115808 | 150 | 11/02/2005 | AUTOMATIC MUSIC MOOD DETECTION | ZHANG, HONG ЛANG |
| .11275100 | Not Issued | 30 | 12/09/2005 | Automatic Music Mood Detection | ZHANG, HONG: ЛАNG |
| 11275676 | Not Issued | 30 | 01/24/2006 | Methods and Systems for Adaptive Delivery of Multimedia Contents | ZHANG, HONG , , , , , , , , , , , , , , , , , , |
| 11275677 | Not Issued | 25 | 01/24/2006 | Methods and Systems for Adaptive Delivery of Multimedia Contents | ZHANG, HONG- JIANG |
| 11276308 | Not Issued | 30 | 02/23/2006 | Clustering Web Queries | ZHANG, HONG- ЛANG |
| 11276419 | Not Issued | 41 | 02/28/2006 | CLASSIFICATION OF AUDIO AS SPEECH OR NON-SPEECH USING MULTIPLE THRESHOLD VALUES | ZHANG, HONG- ЛАNG |
| 11278487 | Not Issued | 30 | | Generating a Motion Attention Model | ZHANG, HONG- ЛANG |
| 11458057 | Not Issued | 30 | 07/17/2006 | Relevance Maximizing, Iteration Minimizing, Relevance-Feedback, Content-Based Image Retrieval (CBIR) | ZHANG, HONG- ЛАNG |
| 11623304 | Not Issued | 20 | 01/15/2007 | Learning-Based Automatic Commercial Content Detection | ZHANG, HONG- JIANG |

nventor Search Completed: No Records to Display.

| Search Another: Inventor | Last Name | First Name | |
|--------------------------|-----------|------------|--------|
| Search Another: Inventor | zhang | hong-jiang | Search |

go back use Back button on your browser toolbar.

Back to 'PALM | ASSIGNMENT | OASIS | Home page